

## Technical Data Sheet

### PE Human IgG4 Isotype Control Antibody

**Catalog Number:** 301309, 301310  
**Size:** 25 ug, 100 ug  
**Target Name:** Human IgG4 isotype control  
**Regulatory Status:** RUO

#### Product Details

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**Clone:** 1016AH4  
**Application:** Flow Cytometry  
**Reactivity:** N/A  
**Format:** PE  
**Isotype:** Human IgG4  
**Antibody Type:** Monoclonal  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA  
**Protein Concentration:** 0.2 mg/mL  
**Storage and Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.  
**Recommended Usage:** Use at concentrations comparable to those used for the target-specific antibody. PE has an excitation max at 565 nm and an emission max at 575 nm.  
**Excitation Laser:** Blue Laser (488 nm) Green/Yellow laser (532/561nm)

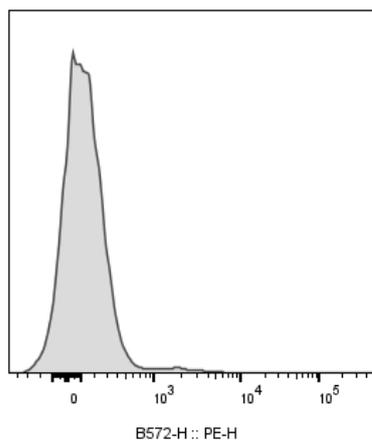
#### Background Information

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There are four IgG subclasses (IgG1, 2, 3, and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant). The measurement of immunoglobulin G can be a diagnostic tool for certain conditions.

#### Product Data

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Human peripheral blood lymphocytes stained with PE Human IgG4 isotype control clone 1016AH4.